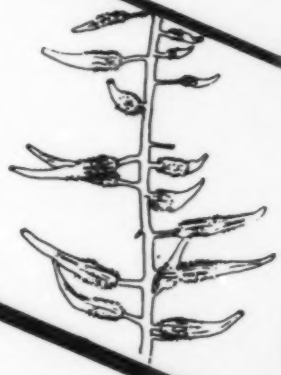
Saskatchewan
Agriculture
and Food

1991 Specialty Crop Report

Canaryseed

Lentils

Buckwheat



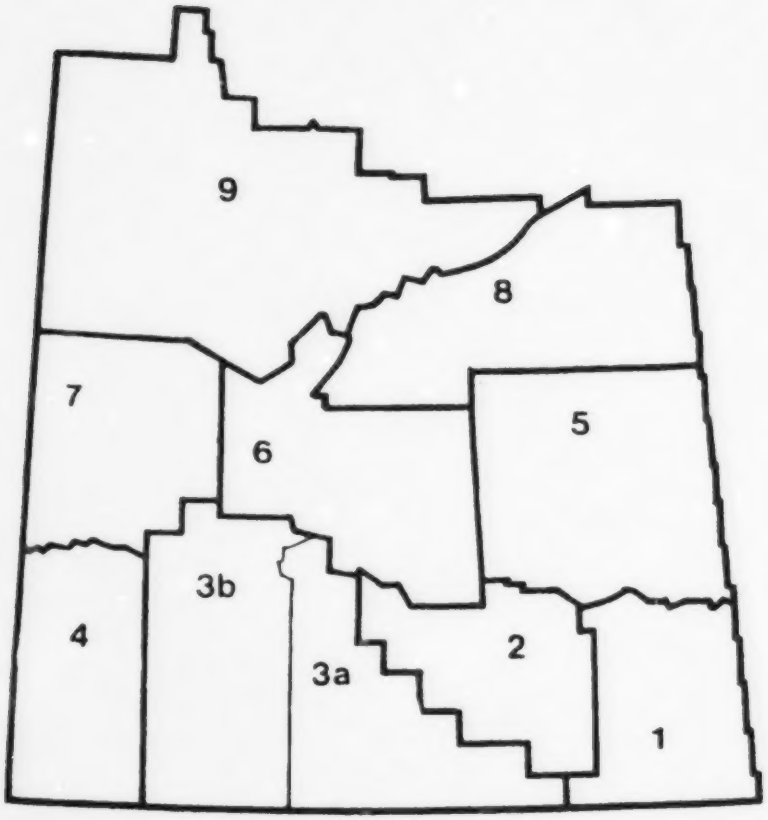
Yellow Mustard

Field Peas

Corn

Sunflower

Saskatchewan Crop District Map



Acknowledgement

Saskatchewan Agriculture and Food, with the assistance of the Canadian Wheat Board, has conducted the tenth annual Specialty Crop Survey. The comprehensive survey of miscellaneous crop producers provides an estimate of area, yield and production of the major specialty crops in Saskatchewan.

The Canadian Wheat Board assisted with the survey by providing the list of names and addresses of the miscellaneous crop producers. The "miscellaneous" crops are defined as all other crops not listed in the Wheat Board permit book. Each miscellaneous crop producer received a questionnaire to report specialty crop acreages and yields. This report is based on the information that was returned by the producers.

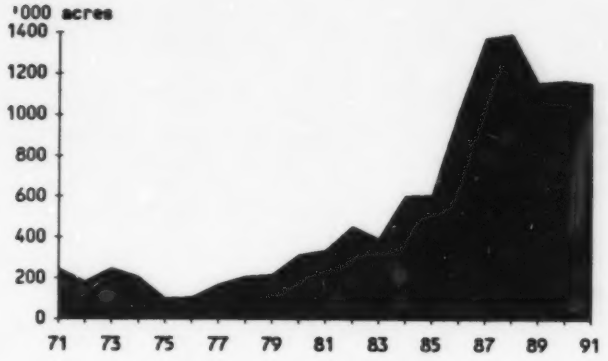
STAT Publishing of Vancouver assisted by providing historical grower price information for the development of the report graphics.

Further information may be obtained by contacting:

Statistics Section
Economics Branch
Saskatchewan Agriculture and Food
329-3085 Albert Street
REGINA, Saskatchewan
S4S 0B1

or telephone: (306) 787-5169
Fax (306) 787-5134

Saskatchewan Specialty Crops, 1971-91



Saskatchewan Agriculture and Food's 1991 specialty crops area and yield survey estimates production of the major specialty crops at 637 600 tonnes, down 12 300 tonnes (2%) from 1990. All yields and production include dockage. The decrease in production arises from a reduction in the number of acres devoted to specialty crops in 1991. The area of major specialty crops decreased 8%, to 1.11 million acres, from the 1.20 million acres seeded in 1990. Yields remained relatively unchanged from 1990, given the excellent growing conditions in both years.

Except for a few areas in the north, soil moisture conditions were very poor during the late fall and winter of 1990/91. Precipitation in October 1990 was half of normal and snowfall cover was well below normal in all parts of Saskatchewan but the north. Temperatures were above normal for most of the winter and by mid-March 1991, much of the snow had melted with little run-off. Soil moisture conditions continued to deteriorate during March and into April. Early spring seeding plans were uncertain due to the dry conditions. Beginning in late April, above normal rainfall covered most of the grainbelt and Saskatchewan continued to receive above normal rainfall well into July. The heavy rains delayed spring seeding, but by mid-June over a million acres of specialty crops had been planted. Growing conditions for the month of June and the first two weeks of July were ideal. However, by mid-July, hot dry weather covered most of the province, causing crop stress especially to the later seeded crops. The dry weather continued throughout August and advanced crop development rapidly. The crop, which was a week to ten days behind normal in mid-July, matured early due to the hot dry conditions. Harvest advanced the quickest in the western half of the province, while showers slowed harvest progress in many eastern districts. By the last week of September almost all specialty crops were off the field. Above average quality was reported for most specialty crops, although disease lowered the quality of the lentil crop.

Fall 1991 precipitation was above normal for the northern half of the grainbelt, while the south received below normal fall precipitation. By mid December, snow cover across the province was above normal, lowering the chance of soil erosion and greatly improving the prospects for adequate spring moisture.

The 1991 specialty crop area and yield survey was sent to 7 281 Saskatchewan permit book holders who reported growing miscellaneous crops in their 1991/92 permit book. This compares to 7 565 Saskatchewan producers reporting miscellaneous acres in 1990. Three crop districts reported an increase in the number of miscellaneous crop growers. Crop districts 2 had 105 additional growers over 1990, crop district 3 had 57 more growers and crop district 9 had an increase of 80 growers. Crop district 5 reported the largest decline in the number of growers with 175 fewer producers, while crop district 8 had 158 fewer producers than 1990. Smaller declines were experienced in crop districts 1, 4, 6 and 7. Overall, there were 284 (4%) fewer miscellaneous crop producers in Saskatchewan in 1991 compared to 1990. The decline in the number of 1991 specialty crop producers can be attributed to lower price prospects, particularly for mustard and canaryseed.

Miscellaneous Crop Producers in Saskatchewan by Crop District

Crop District	1990	1991	91/90
	Number of Producers		%
1	548	524	96
2	769	874	114
3	792	849	107
4	97	84	87
5	1 085	910	84
6	1 215	1 094	90
7	1 159	1 124	97
8	1 165	1 007	86
9	735	815	111
Sask	7 565	7 281	96

Area, Yield and Production of Specialty Crops, Saskatchewan 1990-91

Crop	1990 Acres '000	1990 Yield lbs/ac	1990 Yield kg/ac	1990 Prod'n '000 t	1991 Acres '000	1991 Yield lbs/ac	1991 Yield kg/ac	1991 Prod'n '000 t
Brown Mustard	155.0	1 010	458	71.0	64.0	965	438	28.0
Yellow Mustard	235.0	922	418	98.2	111.0	834	378	42.0
Oriental Mustard	75.0	963	437	32.8	25.0	970	440	11.0
Total Mustard	465.0	958	435	202.0	200.0	893	405	81.0
Sunflowers	20.0	948	430	8.6	24.0	1 010	458	11.0
Laird Lentils	n.a.				377.0	1 363	618	233.0
Eston Lentils	n.a.				39.0	1 215	551	21.5
Other Lentils	n.a.				21.0	1 407	638	13.4
Total Lentils	290.0	1 431	649	188.0	437.0	1 351	613	267.9
Green Peas	n.a.				98.0	1 694	768	75.3
Yellow Peas	n.a.				64.0	2 043	927	59.3
Feed Peas	n.a.				30.0	1 749	793	23.8
Total Peas	130.0	1 746	792	103.0	192.0	1 812	822	158.4
Canaryseed	260.0	1 153	523	136.0	225.0	960	436	98.0
Fababeans	1.0	1 750	794	0.8	3.0	2 352	1 067	3.2
Buckwheat	2.0	780	354	0.7	1.0	661	300	0.3
Caraway Seed	6.0	645	293	1.8	2.0	220	100	0.2
Safflower	2.0	670	304	0.6	6.0	1 213	550	3.3
Alfalfa Seed	14.0	255	116	1.6	17.0	246	112	1.9
Sweet Clover Seed	5.0	410	186	0.9	3.0	294	133	0.4
Silage Corn	1.0	13 000	5 897	5.9	2.0	13 228	6 000	12.0
Subtotal	1 196.0			649.9	1 112.0			637.6
Other	n.a.				39.0			12.6
Total					1 151.0			650.2

Average Area Per Grower, Summerfallow and Stubble Yield and Contracted Acres

Crop	Average Acres per grower 1990	Average Acres per grower 1991	% Stubble Acres 1991	1991 Yield Stubble lbs/ac	1991 Yield Fallow lbs/ac	% of Acres Contracted 1991
Brown Mustard	135	122	35	856	1 027	80
Yellow Mustard	142	126	37	698	924	81
Oriental Mustard	146	138	45	846	1 117	72
Sunflowers	149	177	73	1 089	922	61
Laird Lentils	n.a.	157	59	1 296	1 462	48
Eston Lentils	n.a.	161	70	1 302	1 005	41
Other Lentils	n.a.	123	67	1 427	1 360	59
Total Lentils	152	155	61	1 303	1 428	48
Green Peas	n.a.	131	86	1 706	1 616	64
Yellow Peas	n.a.	105	90	2 088	1 553	36
Feed Peas	n.a.	89	86	1 749	1 750	55
Total Peas	115	113	87	1 845	1 623	53
Canaryseed	151	166	46	833	1 069	69
Fababeans	25	108	100	2 349	-	21
Buckwheat	22	37	65	686	610	8
Caraway Seed	139	133	84	195	440	45
Safflower	121	126	76	1 259	1 096	33
Alfalfa Seed	128	130	100	296	-	20
Sweet Clover Seed	89	162	100	135	-	-
Silage Corn	55	72	43	3 333	-	-

The area planted to the major specialty crops decreased 8% to 1.11 million acres from 1.20 million acres in 1990. The 1991 drop in acreage is only the third time in twenty years in which a year over year acreage reduction in specialty crop plantings has occurred. The majority of the decrease was due to reduced area of mustard and canaryseed. The reduced area of these crops is attributed to the poor price prospects for the 1991 crop.

Production of the major specialty crops decreased by 12 300 tonnes from 1990 to 637 600 tonnes. The 8% decrease in acreage, was the major factor for the decrease in production in 1991. Specialty crop yields for 1991 were well above the long term average and relative to 1990, most specialty crop yields changed only slightly. Field peas, Oriental mustard, sunflower seed, fababeans, and safflower yielded higher than 1990. Yield decreases were reported for lentils, brown and yellow mustard, canaryseed, caraway seed and buckwheat. Safflower had the greatest yield increase, at 81% over 1990.

Saskatchewan Specialty Crops Yields by Crop District

Crop	Crop District 1	2	3	4	5	6	7	8	9	Sask
					lbs/ac					
Brown Mustard	912	1 050	873	-	1 056	949	963	1 028	1 023	965
Yellow Mustard	904	569	541	397	950	907	925	1 032	780	834
Oriental Mustard	748	1 440	1 026	814	1 081	893	976	651	-	970
Sunflowers	1 036	941	1 025	-	990	619	1 292	1 579	1 457	1 010
Laird Lentils	1 330	1 391	1 285	1 216	1 380	1 346	1 467	1 375	1 325	1 363
Eston Lentils	1 429	1 391	788	-	1 392	1 461	1 338	1 557	893	1 215
Other Lentils	1 845	1 269	455	-	1 623	1 334	1 470	1 347	425	1 407
Green Peas	2 586	1 768	1 316	-	1 605	1 778	1 448	1 642	1 771	1 694
Yellow Peas	2 327	2 101	-	-	2 147	1 842	1 926	2 225	1 751	2 043
Feed Peas	1 997	1 446	1 833	-	1 719	1 863	1 170	1 944	1 764	1 749
Canaryseed	800	832	908	1 240	1 162	876	1 052	1 012	1 065	960
Fababeans	-	-	-	-	1 931	2 833	-	-	900	2 352
Buckwheat	-	206	-	-	990	-	-	974	505	661
Caraway Seed	-	533	260	-	-	-	13	-	-	220
Safflower	-	1 567	1 257	1 300	-	1 062	1 066	1 125	-	1 213
Alfalfa Seed	-	101	300	-	314	176	150	328	441	246
Sweet Clover Seed	20	-	-	-	200	46	-	-	150	294

Crop	Crop District 1	2	3	4	5	6	7	8	9	Sask
					kg/ac					
Brown Mustard	414	476	396	-	479	430	437	466	464	438
Yellow Mustard	410	258	245	180	431	411	420	468	354	378
Oriental Mustard	339	653	465	369	490	405	443	295	-	440
Sunflowers	470	427	465		449	281	586	716	661	458
Laird Lentils	603	631	583	552	626	611	665	624	601	618
Eston Lentils	648	631	357	-	631	663	607	706	405	551
Other Lentils	837	576	206	-	736	605	667	611	192	638
Green Peas	1 173	802	596	-	728	806	657	745	803	768
Yellow Peas	1 056	953	-	-	974	836	874	1 09	794	927
Feed Peas	906	656	831	-	780	845	531	882	800	793
Canaryseed	363	377	412	562	527	397	477	459	483	436
Fababeans	-	-	-	-	876	1 285	-	-	408	1 067
Buckwheat	-	93	-	-	449	-	-	442	229	300
Caraway seed	-	242	118	-	-	-	6	-	-	100
Safflower	-	711	570	590	-	482	484	510	-	550
Alfalfa seed	-	46	136	-	142	80	68	149	200	112
Sweet Clover seed	9	-	-	-	91	21	-	-	68	133

Relative to 1990 field pea production increased 54%, while lentil production increased 43%--partially offsetting the lower production of mustard and canaryseed. The production of sunflower seed and fababeans also posted significant increases over 1990 levels.

The average area per grower increased for sunflower seed, lentils, canaryseed fababeans, buckwheat, safflower, alfalfa seed, sweet clover seed and silage corn. Mustard, field pea and caraway seed acres per grower decreased.

MUSTARD

The area seeded to mustard decreased sharply in 1991, to 200 000 acres, from 465 000 acres in 1990. The 57% decrease was in response to falling prices and excess stocks. Mustard seed production is estimated at 81 000 tonnes for 1991--down 60% from 1990. The drop in production was due to the significant drop in the seeded area.

Production of **brown mustard** for 1991 is estimated to be 28 000 tonnes, down 61% from 1990 production of 71 000 tonnes. Brown mustard seeded area was down 59% due to high stocks and low prices. The 1991 yield of 965 pounds per acre was 4% lower than the 1990 yield of 1 010 pounds per acre. Crop district yields for brown mustard ranged from a high of 1 056 pounds per acre in crop district 5, to a low of 873 pounds per acre in crop district 3.

The 1991 contract price for brown mustard ranged from 8¢ to 10¢ per pound on the first 500 to 1 200 pounds per acre and compares to 12¢ to 13¢ per pound in 1990. Top grade brown mustard grower prices opened the 1990/91 crop year at a high of 10.5¢ per pound in early August and fell to a crop year low of 7.5¢ by April 1991. The brown mustard grower price closed the 1990/91 crop year at 9.5¢ per pound. During the current crop year, grower prices have moved from 8¢ in September to 10¢ per pound by the end of November.

Yellow Mustard production in 1991 fell by 57% compared to 1990. Saskatchewan yellow mustard production is estimated at 42 000 tonnes versus 98 200 tonnes in 1990. The drop in production is due to a 53% decline in the area planted. 1991 yellow mustard acreage is estimated at 111 000 acres compared to 235 000 acres in 1990. Yellow mustard yields fell from 922 pounds per acre in 1990 to 834 pounds per acre in 1991. Crop district yields for yellow mustard ranged from a high of 1 032 pounds per acre in crop district 8 to a low of 397 pounds per acre in crop district 4.

Yellow mustard contract prices for 1991 ranged from 9.5¢ to 11.5¢ per pound on restrictions of 500 to 1 000 pounds per acre. The 1991 contract prices were down an average of 5¢ per pound over 1990. Yellow mustard grower bid prices opened the crop year at a high of 18¢ per pound. By the close of the 1990/91 crop year, the yellow mustard spot price was 9.5¢ per pound. At the start of the 1991/92 crop year, the yellow mustard grower price was at a low of 8.5¢ per pound, and by November, the price increased slightly to 9¢. Due to the current oversupply situation for yellow mustard, the usual price premium for yellow mustard over brown and Oriental, has become a discount.

Oriental mustard production is down 21 800 tonnes to 11 000 tonnes. The area seeded to Oriental mustard decreased 67% to 25 000 acres from 75 000 acres in 1990. The Oriental mustard yield increased to 970 pounds per acre from 963 pounds per acre in 1990. By crop district, yields ranged from a high of 1 440 pounds per acre in crop district 2 to a low of 651 pounds per acre in crop district 8.

The 1991 contracts for Oriental mustard averaged 3.5¢ per pound below 1990 levels. The 1991 contract program for Oriental mustard had prices ranging from 8.5¢ to 9.5¢ per pound on the first 500 to 1 200 pounds. Grower bid prices for Oriental mustard ranged from a high of 10.5¢ per pound early in the 1990/91 crop year to a low of 7.5¢ per pound at the close of the crop year. Oriental mustard spot prices opened the 1991/92 crop year at a low of 8¢ per pound but by late November, the price increased to 10¢ per pound.

Mustard exports in 1990/91 remained virtually unchanged at 126.9 thousand tonnes from 1989/90 exports of 127.4 thousand tonnes. Current crop year mustard exports have been brisk, especially for brown and oriental mustard. Given the export pace established so far this crop year, it is estimated that mustard exports could reach a record 140 000 tonnes.

Due to low stocks and improved demand for brown and Oriental mustard and the high yellow mustard stocks, yellow mustard has been trading at or below the price of brown and Oriental. Yellow mustard is usually at a 2¢ to 4¢ premium. Given the favourable

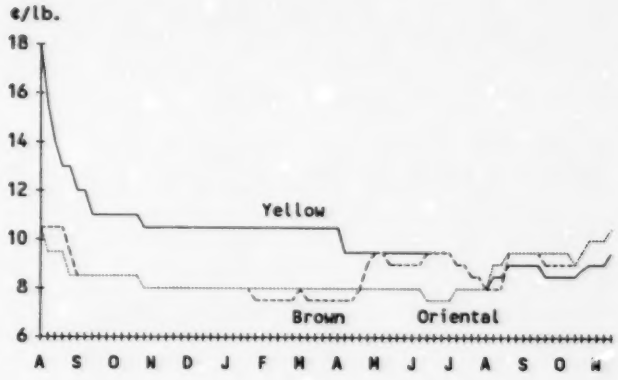
price prospects and tight stocks of brown and Oriental mustard, 1992 plantings are expected to increase over 1991 levels. The large stocks of yellow mustard suggest that prices will not experience any significant recovery until excess stocks are depleted.

The level of export demand during the remainder of the marketing year and 1992 plantings will determine if brown and Oriental mustard prices maintain their current levels.

Canadian Mustard Exports

August - July	1988/89	1989/90	1990/91
		tonnes	
Total North Europe	36 080.5	44 026.1	37 107.5
Belgium-Luxembourg	13 705.3	18 282.2	24 059.9
West Germany	9 016.1	9 244.3	1 846.9
Other North Europe	13 359.1	16 499.6	11 200.7
Total Other	55 862.1	83 368.5	89 834.4
United States	40 393.9	51 273.3	61 786.3
Japan	8 936.5	8 193.9	10 602.8
Other	6 531.7	23 901.3	17 445.3
Total	91 942.5	127 394.6	126 941.9

Brown, Yellow and Oriental Mustard
Saskatchewan Grower Price
August 1990 to November 1991



Mustard Supply and Disposition, Western Canada

	Aug 1 Stocks	Acres	Prod'n	Total Supply	Exports	Domestic Use	Seed	F.W.D.	July 31 Stocks
					tonnes				
1982/83	10 000	157 000	76 500	86 500	74 200	4 200	2 132	3 920	2 048
1983/84	2 048	235 000	86 400	88 448	74 200	4 410	3 148	4 717	1 974
1984/85	1 974	347 000	112 400	114 374	89 000	4 631	3 084	9 363	8 296
1985/86	8 296	340 000	125 300	133 596	122 600	4 862	4 128	2 095	0
1986/87	0	455 000	226 800	226 800	120 600	45 105	2 540	16 571	41 984
1987/88	41 984	280 000	132 400	174 384	119 265	34 862	3 810	6 165	10 282
1988/89	10 282	420 000	121 100	131 382	91 934	17 605	4 808	2 902	14 133
1989/90	14 133	530 000	165 100	179 233	127 395	27 454	5 216	6 747	12 421
1990/91	12 421	575 000	251 600	264 021	126 942	16 445	2 631	7 167	110 836
1991/92	110 836	290 000	127 000	237 836	140 000	17 267	2 722	7 863	69 984

LENTILS

Saskatchewan lentil production is estimated at 267 900 tonnes--up 79 900 tonnes (43%) from 1990. The increase in production is due to a 51% increase in the area seeded to lentils. 1991 lentil acreage was 437 000 acres compared to 290 000 acres in 1990. Average lentil yields dropped 6% from 1990, but were still above the long term average.

Laird lentil production for 1991 is estimated at 233 000 tonnes, 87% of total lentil production. Acreage of 377 000 was 86% of the 1991 lentil area. Laird lentil yields in 1991 averaged 1 363 pounds per acre. Crop district 7 reported the highest average yield at 1 467 pounds per acre, while crop district 4 reported the lowest yield at 1 216 pounds per acre.

Laird lentil contract prices for the 1991 crop ranged from 15¢ to 16¢ per pound on the first 500 to 1 000 pounds. Contract prices were down an average of 17% over the 1990 level. The Laird lentil grower price posted a low of 16.5¢ per pound during October of the 1990/91 crop year and increased to 31¢ by June, 1991. The current crop year price opened at 20¢ per pound but by late November the price had fallen to 16¢.

Eston lentil production is estimated at 21 500 tonnes or 8% of total lentil production. Acreage is estimated at 39 000 --9% of total lentil acreage. Eston lentils posted a Saskatchewan average yield of 1 215 pounds per acre. Crop district 8 reported the largest yield at 1 557 pounds per acre, while crop district 3 reported the lowest yield at 788 pounds per acre.

Eston lentil contract prices decreased by 27% in 1991 over 1990. Contract prices ranged from 13¢ to 14¢ per pound for the first 400 to 600 pounds per acre. Grower spot prices during the 1990/91 crop year reached a high of 26¢ per pound in March and closed out the crop year at a low of 13.5¢ per pound. The current crop year opened with a price of 15¢ per pound, but by late November the grower bid price for Eston lentils had fallen to 13.5¢ per pound.

Production of the **other lentil** category, which includes Chilean, dark green speckled, and French green, is estimated at 13 400 tonnes--5% of total production. The 1991 area of Chilean, dark green speckled and French green lentils is estimated at 21 000 acres for 1991. The average yield for these lentils is calculated at 1 407 pounds per acre and ranged from 1 845 pounds per acre in crop district 1 to a low of 425 pounds per acre in crop district 9.

Chilean, dark green speckled and French green contract prices for 1991 were in the 14¢ to 18¢ per pound range for the first 500 to 1000 pounds. These lentils showed the smallest decline (9%) in the 1991 contract price.

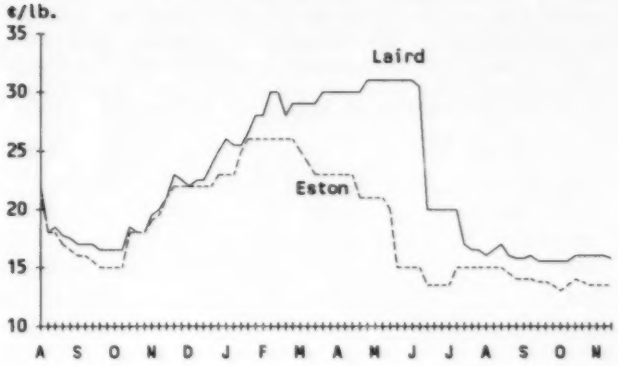
Total lentil exports increased to 146.2 thousand tonnes from 87.8 thousand tonnes in 1989/90. The 67% increase is due primarily to significant increases in exports to northern Europe, Spain and Algeria. Canada's success in the export market during the 1990/91 season was due to the absence of the U.S. and Turkey from the export market. Low U.S. lentil stocks and Turkey's concern over the Persian Gulf war, limited Canada's major competitors from conducting a full scale lentil export program. Canadian exports in 1991/92 are expected to be close to 135 000 tonnes. To date, the lentil export program has not been as brisk as the previous year, making it difficult to surpass last years heavy export program.

Canadian Lentil Exports

August - July	1988/89	1989/90	1990/91
		tonnes	
Total North Europe	15 997.2	16 699.5	32 862.1
Belgium-Luxembourg	4 390.3	4 899.5	9 260.3
West Germany	4 789.1	6 267.4	11 244.0
Other North Europe	6 817.8	5 532.6	12 357.8
Total Mediterranean	17 566.9	23 859.7	58 990.2
Algeria	7 567.2	0.0	20 662.7
Spain	3 878.6	7 825.5	15 198.6
Other Mediterranean	6 121.2	16 034.2	23 128.9
Total S/C America	28 923.2	35 584.8	41 993.8
Columbia	18 299.5	25 849.6	24 994.9
Venezuela	4 153.6	1 691.3	4 496.4
Other S/C America	6 470.1	8 044.0	12 502.5
Total Other	9 369.4	11 613.4	12 342.6
Mozambique	2 281.5	1 205.0	3 859.9
Somalia	1 462.1	2 234.8	0.0
Other	5 625.9	8 173.7	8 482.7
Total	71 856.6	87 757.5	146 188.7

Despite relatively low export competition from Turkish and U.S. product during 1991/92, Canadian lentil prices are expected to remain flat. In 1991, Canada harvested a record lentil crop. Therefore, even with a large export program, the lentil carryover is estimated to be at a historically high level of 185 000 tonnes. With stocks at this level, lentil prices are not expected to rise above current levels. Despite current price expectations and high stock levels, spring plantings are not expected to decrease dramatically due to the poor price prospects for other grains, oilseeds and specialty crops.

Laird and Eston Lentil
Saskatchewan Grower Price
August 1990 to November 1991



Lentil Supply and Disposition, Western Canada

	Aug 1 Stocks	Acres	Prod'n	Total Supply	Exports	Domestic Use	Seed	F.W.D.	July 31 Stocks
					tonnes				
1982/83	0	175 000	90 200	90 200	42 800	6 300	4 817	4 910	31 373
1983/84	31 373	118 000	57 400	88 773	46 800	6 615	6 409	15 342	13 607
1984/85	13 607	157 000	38 900	52 507	26 300	6 946	7 348	3 325	8 588
1985/86	8 588	180 000	62 400	70 988	40 900	7 293	13 194	4 819	4 782
1986/87	4 782	323 200	170 500	175 282	108 800	7 658	24 086	16 646	18 092
1987/88	18 092	590 000	313 700	331 792	147 680	8 641	13 676	60 632	101 163
1988/89	101 163	335 000	58 600	159 763	71 857	9 073	11 567	9 712	57 556
1989/90	57 556	255 000	96 200	153 756	87 757	9 527	15 876	17 228	23 368
1990/91	23 368	350 000	228 800	252 168	146 189	10 003	26 399	26 553	43 024
1991/92	43 024	582 000	337 300	380 324	135 000	10 503	24 948	24 736	185 137

CANARYSEED

Canaryseed production in Saskatchewan is estimated at 98 000 tonnes, down 38 000 tonnes (28%) from 1990. The area seeded to canaryseed decreased by 35 000 acres (13%) to 225 000 acres in 1991. Canaryseed yields declined 17% in 1991, from 1 153 pounds per acre to 960 pounds per acre. Crop district 4 reported the highest average canaryseed yield at 1 240 pounds per acre, while crop district 1 recorded the lowest yield at 800 pounds per acre.

The 1991 canaryseed contract price ranged from 7¢ to 8.5¢ per pound on restrictions of 500 to 1 000 pounds, down an average of 3.75¢ per pound from 1990 levels. Canaryseed grower prices declined during the 1990/91 crop year. From the August 1990 high of 9.5¢ per pound, canaryseed prices fell to a crop year low of 7¢ per pound by July 1991. New crop year prices hit a low of 5.5¢ per pound early in November, but by late November prices rebounded to the 7¢ per pound level.

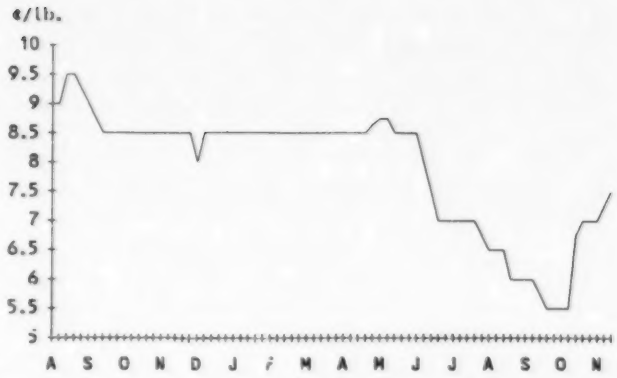
Canaryseed exports in 1990/91 decreased by 8 531 tonnes (10%) to 79.9 thousand tonnes, due to a decline in the canaryseed export program to Mexico and the U.S. Canaryseed exports in 1991/92 are estimated to increase to 92 000 tonnes due to the absence of Hungary from the export market.

Despite a smaller 1991 harvest, canaryseed prices are not expected to recover significantly during the remainder of the 1991/92 crop year. The large carryover from 1990/91 combined with 1991 production provides more than adequate stocks to meet current demand. A significant reduction in the 1992 crop is required to put upward pressure on prices for the 1992/93 crop year. Canaryseed acreage is not expected to increase in 1992, but this will depend upon coverage under the Gross Revenue Insurance Program (GRIP).

Canadian Canaryseed Exports

August - July	1988/89	1989/90	1990/91
		tonnes	
Total North Europe	19 637.0	33 756.2	32 032.2
United Kingdom	5 395.8	5 708.8	6 510.6
Netherlands	6 440.6	8 210.5	6 205.0
Other North Europe	7 800.5	19 836.9	19 316.6
Total Mediterranean	6 458.0	18 366.0	17 965.8
Total S/C America	2 705.2	2 307.6	7 929.2
Total Other	21 640.5	33 975.2	21 946.7
United States	11 880.9	16 058.4	13 511.2
Mexico	4 329.6	4 322.5	0.0
Other	5 429.9	13 594.3	8 435.5
Total	50 440.7	88 404.9	79 873.5

Canaryseed
Saskatchewan Grower Price
August 1990 to November 1991



Canaryseed Supply and Disposition, Western Canada

	Aug 1 Stocks	Acres	Prod'n	Total Supply	Exports	Domestic Use	Seed	F.W.D.	July 31 Stocks
				tonnes					
1982/83	0	199 000	103 100	103 100	77 900	1 575	2 912	7 948	12 765
1983/84	12 765	107 000	55 800	68 565	37 000	1 654	3 552	3 865	22 495
1984/85	22 495	130 500	45 000	67 495	39 400	1 736	3 320	4 114	18 924
1985/86	18 924	122 000	46 300	65 224	57 100	1 823	6 105	0	196
1986/87	196	224 300	127 600	127 796	92 200	1 914	5 661	9 411	18 610
1987/88	18 610	208 000	100 800	119 410	73 050	2 010	7 076	8 257	29 017
1988/89	29 017	260 000	61 500	90 617	50 440	2 111	8 845	16 832	12 390
1989/90	12 390	324 000	126 300	138 690	88 405	2 216	8 219	9 968	29 882
1990/91	29 882	302 000	160 800	190 682	79 874	2 327	6 994	9 042	92 445
1991/92	92 445	257 000	110 100	202 544	92 000	2 443	6 804	10 389	90 909

FIELD PEAS

Saskatchewan **field pea** production is estimated to be 158 400 tonnes, up 54% or 55 400 tonnes from 1990. Field pea acreage also increased sharply, from 130 000 acres in 1990 to 192 000 acres in 1991. The provincial average yield increased by 4% over 1990 to 1 812 pounds per acre (30.2 bushels per acre).

Green Pea production is estimated at 75 300 tonnes on 98 000 acres. Forty-eight percent of the 1991 pea crop is made up of green peas. The green pea yield is estimated at an average of 1 694 pounds per acre (28.2 bushels per acre). Crop district 1 reported the highest average green pea yield at 2 586 pounds per acre (43.1 bushels per acre), while crop district 3 had the lowest yield at 1 316 pounds per acre (21.9 bushels per acre).

Green pea contract prices in the spring of 1991 fell in the $175 to $185 per tonne price range on restrictions of 0.14 to 0.41 tonnes per acre (5 to 15 bushels per acre) versus 1990 green pea contracts in the $200 to $220 per tonne range. Top grade green pea spot prices, during the 1990/91 crop year, hit a high of $310 in March and April, but by the end of the crop year, green pea prices fell to $175 per tonne. Current crop year spot prices hit a low of $165 per tonne in early November, but by the end of November prices increased to the $190 per tonne level.

Yellow Pea production is estimated at 59 300 tonnes, 37% of total field pea production. One-third of the 1991 field pea acres are estimated to be yellow peas. The average Saskatchewan yellow pea yield was 2 043 pounds per acre (34.1 bushels per acre). Crop district 1 reported the highest yellow pea yield at 2 327 pounds

per acre and crop district 9 reported the lowest yield at 1 751 pounds per acre.

Contract prices for 1991 yellow peas ranged from $155 to $180 per tonne for the first 0.14 to 0.41 tonnes (5 to 15 bushels per acre)--compared to $165 to $190 per tonne in 1990. Yellow pea (century) grower spot prices, during the 1990/91 crop year, ranged from an August high of $210 per tonne to a crop year low of $165 in July. New crop year prices opened at $165 per tonne, but by November century pea prices had fallen to $158 per tonne.

The production of feed peas is estimated at 23 800 tonnes, 15% of total 1991 field pea production. Sixteen percent of the total 1991 acreage or 30 000 acres is estimated to be feed pea acreage. The provincial average feed pea yield is calculated at 1 749 pounds per acre (29.2 bushels per acre). Feed pea crop district yields ranged from a high of 1 997 pounds per acre (33.3 bushels per acre) in crop district 1 to a low of 1 170 pounds per acre (19.5 bushels per acre) in crop district 7.

Feed pea contract prices averaged $147 per tonne on restrictions ranging form 0.40 to 0.68 tonnes per acre (15 to 25 bushels per acre) in 1991 versus a range of $145 to $147 per tonne in 1990. During the 1990/91 crop year, feed pea grower bid prices ranged from a high of $169 per tonne in April to a crop year low of $140 per tonne in July. Current crop year spot prices opened at a low of $138 per tonne, but by November prices increased to $156 per tonne.

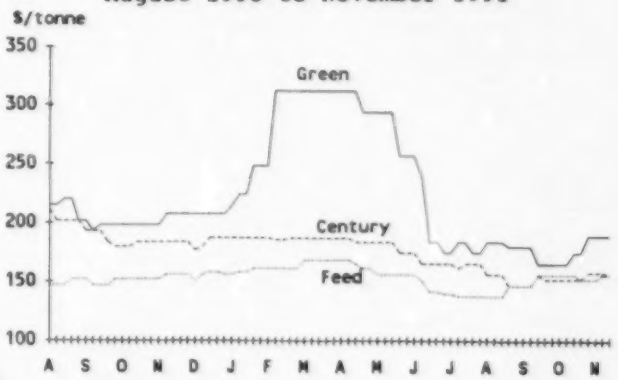
Canadian field pea exports fell 7% in 1990/91 to 165.8 thousand tonnes. Current year exports are expected to increase to 192 000 tonne.

Canadian green and feed pea prices are expected to remain steady at current levels into 1992. Export demand for green and feed peas has been steady during the fall and early winter of 1991. Yellow pea prices are down from one year ago and will remain weak due to excess stocks and light demand. The absence of the Australians from the export market, due to strong domestic feed demand, may help boost the 1991/92 export program and reduce excess stocks. Field pea acres are expected to remain steady in 1992 due to low price prospects for alternative crops. To address the oversupply, yellow pea plantings will decline in 1992 in favour of more green and feed pea acres.

Canadian Field Pea Exports

August - July	1988/89	1989/90	1990/91
		tonnes	
Total North Europe	129 014.2	74 214.7	58 457.7
Belgium-Luxembourg	46 805.1	41 813.6	31 747.1
West Germany	33 524.8	6 275.1	345.6
Netherlands	24 824.2	18 621.5	13 783.3
Other North Europe	23 860.0	7 504.5	12 581.7
Total S/C America	29 552.5	44 607.1	50 895.2
Venezuela	4 434.4	8 413.3	13 083.2
Trinidad	4 602.9	5 389.0	1 300.6
Other S/C America	20 515.2	30 804.8	36 511.4
Total Other	39 929.8	58 644.7	56 437.6
Algeria	0.0	0.0	4 400.0
Japan	6 885.6	10 716.8	8 676.6
India	2 377.7	0.0	4 492.3
United States	22 325.6	27 082.9	13 140.9
Other	8 340.8	20 845.0	25 727.8
Total	198 496.5	177 466.4	165 790.5

Green, Century and Feed Peas
Saskatchewan Grower Price
August 1990 to November 1991



Field Pea Supply and Disposition, Western Canada

	Aug 1 Stocks	Acres	Prod'n	Total Supply	Exports	Domestic Use	Seed	F.W.D.	July 31 Stocks
					tonnes				
1982/83	0	194 000	156 800	156 800	67 700	38 500	12 982	7 434	30 184
1983/84	30 184	159 000	116 700	146 884	80 600	22 000	15 023	10 260	19 001
1984/85	19 001	184 000	131 100	150 101	65 700	24 200	15 023	8 990	36 188
1985/86	36 188	184 000	168 800	204 988	102 700	26 620	26 511	12 932	36 225
1986/87	36 225	324 700	238 300	274 525	103 400	29 282	51 030	13 268	77 545
1987/88	77 545	625 000	437 200	514 745	288 633	32 210	59 194	37 084	97 623
1988/89	97 623	725 000	346 800	444 423	198 497	35 431	35 925	58 393	116 178
1989/90	116 178	440 000	266 400	382 578	177 466	38 974	29 937	41 644	94 556
1990/91	94 556	300 000	258 500	353 056	165 791	42 872	44 634	40 866	58 893
1991/92	58 893	492 000	408 900	467 793	192 000	42 014	44 453	43 401	145 925

OTHER CROPS

The 1991 Specialty Crop Survey estimates the **sunflower** yield at 1 010 pounds per acre, resulting in production of 11 000 tonnes--up 28% or 2 400 tonnes from 1990. Saskatchewan **fababean** production for 1991 is estimated at 3 200 tonnes based on yields of 2 352 pounds per acre and 3 000 acres. **Buckwheat** production decreased to 300 tonnes from 1 000 tonnes in 1990, while the provincial average buckwheat yield fell 15% to 661 pounds per acre. Buckwheat acreage declined by 50% to 1 000 acres. Production of **caraway seed** declined in 1991 to 200 tonnes due to yield and acreage reductions. Caraway seed yields dropped to 220 pounds per acre and acreage decreased from 6 000 acres in 1990 to 2 000 acres in 1991. Saskatchewan **safflower** production increased to 3 300 tonnes from only 600 tonnes in 1990. Safflower acreage tripled to 6 000 acres and yields increased 81% to 1 213 pounds per acre. The 1991 **alfalfa seed** yield is estimated at 246 pounds per acre, resulting in production of 1 900 tonnes on 17 000 acres. Alfalfa seed production increased by 19% in 1991 over 1990. **Sweet clover seed** production decreased by 56% to 400 tonnes due to a 40% decrease in area and a 28% decline in yield. **Silage corn** productio.. more than doubled in 1991 to 12 000 tonnes based on a yield of 13 228 pounds per acre and an area of 2 000 acres.

Western Canada Specialty Crops Area and Production and Canadian Exports

	1985	1986	1987	1988	1989	1990	1991
Mustard							
Area			'000 acres				
Alberta	60.0	70.0	55.0	75.0	80.0	80.0	70.0
Saskatchewan	250.0	350.0	210.0	325.0	420.0	465.0	200.0
Manitoba	30.0	35.0	15.0	20.0	30.0	30.0	20.0
Western Canada	340.0	455.0	280.0	420.0	530.0	575.0	290.0
Production			'000 tonnes				
Alberta	15.0	32.7	24.5	22.2	34.0	34.5	35.4
Saskatchewan	95.3	176.9	100.2	90.7	122.0	202.0	81.0
Manitoba	15.0	17.2	7.7	8.2	9.1	15.1	10.6
Western Canada	125.3	226.8	132.4	121.1	165.1	251.6	127.0
Canadian Exports	85/86	86/87	87/88	88/89	89/90	90/91	
'000 tonnes	122.6	120.6	119.3	91.9	127.4	126.9	
$/tonne	317.00	335.00	286.00	344.00	383.00	366.00	
Sunflowers							
Area			'000 acres				
Alberta	3.0	3.0	3.7	4.4	3.5	3.5	3.0
Saskatchewan	8.0	7.5	15.0	15.0	20.0	20.0	24.0
Manitoba	120.0	57.0	70.0	85.0	115.0	140.0	190.0
Western Canada	131.0	67.5	88.7	104.4	138.5	160.0	217.0
Production			'000 tonnes				
Alberta	3.0	3.0	2.0	3.1	2.7	2.2	2.5
Saskatchewan	2.7	3.2	7.9	5.0	5.9	8.6	24.0
Manitoba	59.0	33.1	44.5	42.6	63.0	101.0	127.0
Western Canada	64.7	39.3	54.4	50.7	71.6	109.6	153.5
Canadian Exports	85/86	86/87	87/88	88/89	89/90	90/91	
'000 tonnes	15.9	8.2	14.1	13.6	16.7	40.6	
$/tonne	389.00	348.00	343.00	418.00	413.00	348.00	

Western Canada Specialty Crops Area and Production and Canadian Exports, continued

	1985	1986	1987	1988	1989	1990	1991
Lentils							
Area				'000 tonnes			
Alberta	5.0	12.2	30.0	5.0	5.0	5.0	10.0
Saskatchewan	150.0	267.0	500.0	300.0	220.0	290.0	437.0
Manitoba	25.0	44.0	60.0	30.0	30.0	55.0	135.0
Western Canada	180.0	323.2	590.0	335.0	255.0	350.0	582.0
Production				'000 tonnes			
Alberta	1.1	4.5	13.4.	1.4	1.8	2.7	5.4
Saskatchewan	46.3	145.1	263.1	49.9	79.4	188.0	267.9
Manitoba	15.0	20.9	37.2	7.3	15.0	38.1	64.0
Western Canada	62.4	170.5	313.7	58.6	96.2	228.8	337.3
Canadian Exports	85/86	86/87	87/88	88/89	89/90	90/91	
'000 tonnes	40.9	108.8	147.7	71.9	87.8	146.2	
$/tonne	694.00	580.00	394.00	501.00	552.00	547.00	
Field Peas							
Area				'000 acres			
Alberta	14.0	14.7	65.0	120.0	110.0	80.0	160.0
Saskatchewan	70.0	165.0	380.0	425.0	200.0	130.0	192.0
Manitoba	100.0	145.0	180.0	180.0	130.0	90.0	140.0
Western Canada	184.0	324.7	625.0	725.0	440.0	300.0	492.0
Production				'000 tonnes			
Alberta	10.9	15.2	42.6	110.0	92.5	82.0	158.0
Saskatchewan	57.2	119.7	250.4	157.9	95.0	103.0	158.4
Manitoba	100.7	103.4	144.2	78.9	78.9	73.5	92.5
Western Canada	168.8	238.3	437.2	346.8	266.4	258.5	408.9
Canadian Exports	85/86	86/87	87/88	88/89	89/90	90/91	
'000 tonnes	102.7	103.4	288.6	198.5	177.5	165.8	
$/tonne	342.00	266.00	240.00	288.0	283.00	293.00	
Canaryseed							
Area				'000 acres			
Alberta	2.0	3.0	3.0	5.0	4.0	7.0	7.0
Saskatchewan	100.0	164.0	180.0	230.0	280.0	260.0	225.0
Manitoba	20.0	57.3	25.0	25.0	40.0	35.0	25.0
Western Canada	122.0	224.3	208.0	260.0	324.0	302.0	257.0
Production				'000 tonnes			
Alberta	1.2	1.5	1.2	1.7	1.6	3.5	3.0
Saskatchewan	28.2	97.5	86.2	52.2	102.0	136.0	98.0
Manitoba	10.9	28.6	13.4	7.7	22.7	21.3	9.1
Western Canada	40.3	127.6	100.8	61.6	126.3	160.8	110.1
Canadian Exports	85/86	86/87	87/88	88/89	89/90	90/91	
'000 tonnes	57.1	92.2	73.1	50.4	88.4	79.9	
$/tonne	412.00	351.00	332.00	493.00	416.00	318.00	

Saskatchewan Specialty Crops Seeded Area, 1982-91

Year	Mustard	Sunflowers	Lentils	Field Peas	Canaryseed
			000 acres		
1982	82.0	16.0	125.0	71.0	136.0
1983	140.0	13.0	91.0	45.0	77.0
1984	252.0	26.0	130.0	60.0	95.0
1985	250.0	8.0	150.0	70.0	100.0
1986	350.0	7.5	267.0	165.0	164.0
1987	210.0	15.0	500.0	380.0	180.0
1988	325.0	15.0	300.0	425.0	230.0
1989	420.0	20.0	220.0	180.0	280.0
1990	465.0	20.0	290.0	130.0	260.0
1991	200.0	24.0	437.0	192.0	225.0

Saskatchewan Specialty Crops Yields, 1982-91

Year	Mustard		Sunflowers		Lentils		Peas		Canaryseed	
	lbs/ac	kg/ac	lbs/ac	kg/ac	lbs/ac	kg/ac	lbs/ac	kg/ac	lbs/ac	kg/ac
1982	1 038	471	1 006	456	1 119	544	1 859	843	1 203	546
1983	786	357	916	415	1 100	499	1 665	755	1 142	518
1984	714	324	462	210	422	191	1 348	611	747	339
1985	840	381	733	332	680	308	1 801	817	622	282
1986	1 114	505	941	427	1 198	543	1 599	725	1 311	595
1987	1 052	477	1 161	527	1 160	526	1 453	659	1 053	478
1988	539	244	676	307	334	152	762	346	440	200
1989	583	264	650	295	764	347	1 164	528	750	340
1990	958	435	948	430	1 431	649	1 746	792	1 153	523
1991	893	405	1 010	458	1 351	613	1 812	822	960	436

Saskatchewan Specialty Crops Prices, Crop Year 1982/83 - 1990/91 and 1991/92 Estimate

Year	Mustard		Sunflowers		Lentils		Peas		Canaryseed	
	¢/lb	$/tonne	¢/lb	$/tonne	¢/lb	$/tonne	¢/lb	$/tonne	¢/lb	$/tonne
1982/83	12.0	256	9.1	201	15.0	331	9.0	198	10.0	220
1983/84	15.4	340	12.0	265	15.0	331	8.0	176	11.0	243
1984/85	16.5	364	15.3	337	18.5	408	9.1	201	12.0	265
1985/86	15.0	331	13.0	287	30.0	661	9.5	209	12.0	265
1986/87	12.0	265	7.5	165	21.5	474	8.8	194	11.5	254
1987/88	9.0	198	11.0	243	12.0	265	8.0	176	9.0	198
1988/89	12.0	265	13.6	300	16.6	366	9.0	198	12.5	276
1989/90	13.5	298	11.8	260	20.0	441	8.2	181	12.9	284
1990/91	11.9	262	11.0	243	19.9	440	7.9	174	9.5	209
1991/92	9.5	209	10.7	236	15.2	335	7.7	170	7.3	161

Saskatchewan Agriculture and Food
1991 Specialty Crops Survey

The Canadian Wheat Board's records show that your 1991-92 permit book application specified some "miscellaneous" crop acreage. In an effort to make accurate estimates of specialty crops production in the province, Saskatchewan Agriculture and Food is surveying all permit book holders who report "miscellaneous"crops on their permit book application. Please report the **area seeded in 1991** and your **yield per seeded acre.** (Please note that the seeded area should include any area ploughed down or abandoned, the area harvested for forage as well as the area combined.) Your reply to this questionnaire is voluntary. Your reply will be kept confidential - under no circumstances will individual data be released or published.

Please See Reverse

			FOR OFFICE USE		
			Sequence		No Crops
			Number of Seeded Acres			1991 Yield(s)		Was the Crop Contracted 'Yes' or 'No'
Crop	lbs. Per Bu.	Code	1990	1991 Fallow	1991 Stubble	lbs./ac. Fallow	lbs./ac. Stubble	
Mustard								
Brown	50	1						
Yellow	50	2						
Oriental	50	3						
Sunflowers								
Confection	30	4						
Oilseed	30	5						
Sunola	30	22						
Safflower	45	15						
Lentils		6						
Laird	60	61						
Eston	60	62						
Other	60	63						
Dry Peas		8						
Green	60	81						
Yellow	60	82						
Feed	60							
Fababeans	60							
Dry Beans	60							
Canaryseed	50	7						
Buckwheat	48	9						
Millet	48	10						
Triticale	60	18						
Grain Corn	56	17						
Silage Corn		16						
Caraway Seed	50	14						
Coriander Seed	60	21						
Borage		20						
Acreages Harvested for Seed in 1991								
Alfalfa	60	12	0	0		0		
Sweet Clover	60	13	0	0		0		
Grasses		23						
specify:								
specify:								
specify:								
Other Specialty Crops: (Please Specify)								
1.								
2.								
3.								

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